



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 13] नई दिल्ली, शनिवार, मार्च 26, 1994 (चैत्र 5, 1916)

No. 13] NEW DELHI, SATURDAY, MARCH 26, 1994 (CHAITRA 5, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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Calcutta, The 26th March 1994

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1—517GI/93

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Telegraphic address "PATENTOFIS".

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"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

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पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 26 मार्च 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोडर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गेडा, दमन तथा
दीप एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकत्र सं 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
मणवती मार्ग, करोल बाग,
गर्ड दिल्ली-110005 ।

हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, बालाशाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिक्का तथा एमिनेदिवि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन-पत्र, सच्चाप, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नवद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा चैक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part III, Section 2, at page 861,
in the name of the Applicant and the title of the invention
against the Patent Application No. 551/MAS/93 be read
as :—

551/MAS/93. Simon Walter Colaco. Drainage flushing
system.

ALTERATION OF DATE UNDER SECTION 16

173300 ANTEDATED TO 14th JUNE, 1988
(152/Cal/91)

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE AT 234/4. ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent branch are the dates
claimed under Section 135, of the Patent Act, 1970.

7th February 1994

72/Cal/94. Dr. Atabinda Mandal and Dr. Ashok Kumar
Bhattacharyya. Methods of isolation of four
human seminal coagulum proteins before their
spontaneous degradation and their preservation.

73/Cal/94 Oimat Industries Ltd. Method of and apparatus
for cooling hot liquids.

74/Cal/94. Westinghouse electric corporation. Improvements
in or relating to circuit breaker responsive to
repeated in-rush currents produced by a sputtering
arc fault.

75/Cal/94. Indian Aluminium Company Limited High
quality aluminous spar for alloy steel refining
process

8th February 1994

76/Cal/94. Sri Debashish Biswas. Auto-Emission converter-
cum-Soot Separator for air pollution control.

77/Cal/94. Tai-Her Yang. Motor close circular Magnetiza-
tion cycle foimed by romoving shaft end casing.
(Convention No. 9303488.2; filed on 22-2-1993;
U.K.).

78/Cal/94. Tai-Her Yang. Differential coupling and Com-
pounding power system or electric transmission
storing type.

79/Cal/94. Warwick International Group Limited. Oxidising
Agents. (Convention No. 9302441.2; filed on
8-2-93; Great Britain).

80 Cal/94 Warwick International Group Limited. Oxidising
Agents (Conventional No. 9302443 8; filed
on 8-2-93; Great Britain).

81/C 1/94 Warwick International Group Limited. Oxidising
Agents. (Conventional No. 9302442 0; filed
on 8-2-1993; Great Britain).

APPLICATION FOR THE PATENT FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, THIRD FLOOR, KAROL BAGH,
NEW DELHI-110005

15th November 1993

1277/Del/93. Rittal-Werk Rudolf Loh GmbH & Co. K.G. "FRME section for a rack of a switchgear Cabinet."

1278/Del/93. Parke, Davis & Company. "Biodegradable compositions comprising starch."

1279/Del/93. Societe Oln. "Composite sound-absorbing lining."

16th November 1993

1280/Del/93. Shell Internationale Research Maatschappij B.V. "Preparation of copolymers of carbon monoxide and olefinically unsaturated compounds."

1281/Del/93. Howden Group Plc. "Heat exchangers." (Convention date 26th November, 1992)-U.K.

1282/Del/93. The Board of the Rubber Research Institute of Malaysia and University of Hertf Ordshire. "Method for the production of protejns in plant fluids." (Convention date 17th November, 1992)-U.K.

17th November 1993

1283/Del/93. Sah Industrial Research Institute, "Rechargeable pocket torch."

1284/Del/93. Sah Industrial Research Institute. "Conical prism spectrometer/spectrograph."

1285/Del/93. Sah Industrial Research Institute. "Air Velocity measurement control panel."

1286/Del/93. Whirlpool Corporation. "Rotatable wash Basket for an automatic washer."

1287/Del/93. The whitaker corporation. "Shielded electrical connector."

1288/Del/93. Universal Electronics Inc. "Key mover."

1289/Del/93. Jet, Incorporated. "Wastewater treatment process and apparatus."

18th November 1993

1290/Del/93. M. P. Gupta. "A device for supplying continuous uninterruptible electric power to a down stream load."

1291/Del/93. McGAW, Inc. "A flexible, sterile container and method of making and using same."

1292/Del/93. Coltec Industries Inc. "Fuel supply system with high turn down ratio."

1293/Del/93. Zeneca Limited. "Chemical compounds." (Convention date 27-11-92 & 14-6-93)-U.K.

18th November 1993

1294/Del/93. Dr. A. K. Sachdev, Ram Gopal and Dr. S. S. Verma. "Processing chicken gizzard pickle."

19th November 1993

1295/Del/93. Advanced Microdevices Pvt. Ltd. "An apparatus for conducting ligand receptor assays to determine the presence or concentration of a target ligand in a sample and process to determine the presence or concentration of a target ligand in a sample."

1296/Del/93. G. C. Aggarwal. "Micro air filter (Pollution mask)."

1297/Del/93. The Procter & Gamble Company, "Improved laundry detergent bars containing alkyl sulfate and linear alkyl benzene sulfonate mixtures."

1298/Del/93. Motorola Inc. "Method and apparatus for preamble battery saving in selective call receivers."

1299/Del/93. Bausch & Lomb Incorporated. "Polymer compositions for contact lenses."

1300/Del/93. Honda Giken Kogyo Kabushiki Kaisha. "Method and apparatus for measuring residual capacity of an electric-car battery."

1301/Del/93. University of Cincinnati. "Melanogenic inhibitor, and methods of producing and using the same."

1302/Del/93. E. Khashoggi Industries. "Highly inorganically filled compositions, articles of manufacture made of highly inorganically filled compositions and methods for making same."

22nd November 1993

1303/Del/93. G. Williams Fabrications Pvt. Ltd. "Neo-Gas (substitute for LPG)."

1304/Del/93. Isap Omv Group Spa. "Flanging apparatus particularly for hollow articles obtained by thermoforming sheet"

1305/Del/93. Ranjit Singh Gujral. "Cleaning/purifying air in a room by attaching my device to a room air conditioner or hot air blower or any other equipment which circulates cold or hot air into an enclosed room."

1306/Del/93. Shriram Institute for Industrial Research. "A polymer alloy."

1307/Del/93. Shriram Institute for Industrial Research. "A polymer alloy."

1308/Del/93. Polymer Papers Limited. "A lubricating oil filter."

1309/Del/93. Michael Vimal Pillai and Anil Lepps. "A watering device."

22nd November 1993

1310/Del/93. Honda Giken Kogyo Kabushiki Kaisha. "Control apparatus for an electric vehicle."

1311/Del/93. Asea Brown Boveri AB. "Gas-cooled bushing in cryotanks for superconducting applications."

1312/Del/93. CSIR of Scientia, Meiring Naude Street, Pretoria, Transvaal, South Africa. "Detection of multiple articles."

1313/Del/93. ASEA Brown Boveri AB. "Division of current between different strands of a superconducting winding."

23rd November 1993

1314/Del/93. The Simon Company. "Material reduced, transmission enhanced connecting block and clip and method of manufacture thereof."

1315/Del/93. Ciba-Geigy AG. "Process for the preparation of 2-alkyl-6-methyl-n-(1-methoxy-2-propyl)-Aniline and a process for the preparation of their chloracet anilides."

1316/Del/93. Agufim Irrigation International N.V. "Process for making low cost drip irrigation lines using plastic extrusion and film blowing techniques."

1317/Del/93. K-Swiss Inc. "Slip resistant shoe lace and method for manufacturing same."

1318/Del/93. Nippon Thermostat Co. Ltd. "Automatic choking system for carburetor."

1319/Del/93. International Business Machines Corporation. "Touch-screen input device using the monitor as light source operating at an intermediate frequency."

24th November 1993

1320/Del/93. James Ray Stewart, James Allen Koltz, Crescenzo Fernanto Fulgen G and Philip Dennis Coleman. "Self Centering electrode joint."

1321/Del/93. Sony Corporation. "Moving picture decoding device."

1322/Del/93. Cheie Linz Gesell Schaft m.b.H. "Process for the preparation of arylhydantoins."

1323/Del/93. Sony Corporation. Cinefilm and recording/reproducing apparatus therefor."

25th November 1993

1324/Del/93. British Technology Group Limited. "Method and apparatus for signal processing using reference signals." (Convention date 15th December, 92 and 18th February, 1993)-U.K.

1325/Del/93. Hemagen/PFC. "A process for preparing a physiologically acceptable drug delivery emulsion."

1326/Del/93. N. V. Bekaert S.A. "Multi-strand steel cord."

1327/Del/93. Exxon Chemical Patents, Inc. "Mixed ethylene alpha olefin copolymer multifunctional viscosity modifiers useful in lube oil compositions."

26th November 1993

1328/Del/93. De La Rue Glori S.A. "Punching unit for the perforation of sheet-like articles."

1329/Del/93. De La Rue Glori S.A. "Apparatus and method for checking printed matter."

1330/Del/93. Kennametal Inc. "Linear roller tap driver assembly."

1331/Del/93. H-C Industries, Inc. "Closure assembly with insert liner."

1332/Del/93. Permacrest (Aust) Pvt. Limited. "A container for controlling the release of gas(es) from an effervescent fluid and a method and device for producing said container." (Convention date 30th November, 1992)-U.K.

1333/Del/93. Pall Corporation. "Filter."

1334/Del/93. Tambrands, Inc. "Tampon applicator."

1335/Del/93. IO Research Pvt. Limited. "Distributed database system and database receiver therefor." (Convention date 27th November, 92, 13th August, 93, 20th August, 93, 30th September, 93, 30th September, 93, and 1st October, 93)-AU.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

31st January, 1994

57/Mas/94 Seikagaku Kogyo Kabushiki Kaisha. A process for preparing a novel polypeptide. (Divisional to Patent Application No. 261/Mas/92).

58/Mas/94 ABB Flakt Ab. Method for controlling the power supply to an electrostatic precipitator.

1st February 1994

59/Mas/94 Dr. R. Venkatakrishnan. RVIN Prognostic mastitis tech.

60/Mas/94 Qualcomm Incorporated. Method and system for the dynamic modification of control parameters in a transmitter power control system.

61/Mas/94 Owens-Brockway Glass Container Inc. Apparatus for spraying glass containers.

62/Mas/94 Elhanan Tavor. Atomizer.

63/Mas/94 Festo KG. A functional element for demonstration and/or training purposes.

2nd February, 1994

64/Mas/94 Shell Internationale Research Maatschappij B.V. Refined petroleum wax composition.

65/Mas/94 Cabot Corporation, Carbon blacks.

3rd February, 1994

66/Mas/94. Maschinenfabrik Rieter AG. Silver drafting apparatus.

67/Mas/94 Pall Corporation. Method of making an electrolytically conductive battery separator polymeric film and the resulting film.

4th February, 1994

68/Mas/94 Maschinenfabrik Rieter AG. Clamping device for threads in a spinning machine.

7th February, 1994

69/Mas/94 Wm Wrigley Jr. Company. Chewing gum with dental health benefits employing calcium glycerophosphate.

70/Mas/94 Hoechst Aktiengesellschaft. Process for preparing a poly-1-olefin.

8th February, 1994

71/Mas/94 Rallis India Limited. Famotidine formula 1-1, Amino-3- 2-[di(aminomethylene) amino 1-4-thiazoly]-methyl] thio] propylidene] sulfamide.

72/Mas/94 Rallis India Limited, B METHOXY ACRYLATE formula Methyl (E) 2[2(6-(2-cynophenoxy) pyrimidin -4-yloxy] phenyl] 3-methoxy-acrylate].

73/Mas/94 Rallis India Limited, FIPRONIL formula 1H-pyrzole-3-carbonitrile, 5-amino-1-(2, 6 dichloro-4 (trifluoro-methyl) phenyl) 4-trifluoromethyl sulfinyl

74/Mas/94 Rallis India Limited. IMIDACLOPRID-formula 1-(6-chloro-3-Pyridylmethyl) 4, 5-dihydro-N-nitro-1H-imidazol-2-amine.

75/Mas/94 Commonwealth Scientific and Industrial Research Organisation. Wool and wool-blend fabric treatment. (February 16, 1993 Australia).

76/Mas/94 Southern Petrochemical Industries Corporation Ltd. A microbial process for the treatment of effluents of coke-oven plants for obtaining biodegraded effluents therefrom.

77/Mas/94 Southern Petrochemical Industries Corporation Ltd. A bioprocess for the treatment of effluents of coke-oven plants for obtaining biodegraded effluents therefrom.

78/Mas/94 Southern Petrochemical Industries Corporation Ltd. A bioprocess for the treatment of effluents of fish processing plants for obtaining biodegraded effluents therefrom.

9th February, 1994

79/Mas/94 Puli Ramachandraiah Devendia Rao. A method of refining fractionally distilled fuel oils (a method to arrest sulphur and black tar substances of refining of fuel oils after completion of fractional distillation process).

80/Mas/94 Maschinenfabrik Rieter AG. Tube loader.

81/Mas/94. The Dow Chemical Company. Method of lubricating an elastic fibrous material. (February 10, 1993; Great Britain).

82/Mas/94 Bandgap Technology Corporation. Improved method for the synthesis of metal alkyls and metal aryle.

83/Mas/94 Sanyo Electric Co. Ltd. Refrigerating unit.

10th February, 1994

84/Mas/94 The Director, (CEDT), Krishnabrahman V. and R. Vetury. Fibre optic security system.

85/Mas/94 Festo KG. A functional element for demonstration and/or training purposes.

11th February, 1994

86/Mas/94 Chio University. Microminiature stirling cycle cryocoolers and engines.

87/Mas/94 Ricardo Consulting Engineers Limited. Differential drive mechanisms. (February 12, 1993; Great Britain).

88/Mas/94 Ellenberger & Poensgen GmbH. A single- or multipole circuit breaker.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्य को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

स्पांकेन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टांकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसमें उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी प्रदायी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कार्यों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) छोटे लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

Cl.: 73, 172 D7, 172 F, 136 L.

173271

Int. Cl.: B 29 D 7/00.

METHOD OF AND APPARATUS FOR PRODUCING BIAXIALLY DRAWN PLASTIC FILM IN A TENTER FRAME.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE UNITED STATES OF AMERICA.

Inventors: (1) WILLIAM JOHN HOMMES (2) JOHN JOSEPH KEEGAN, JR.

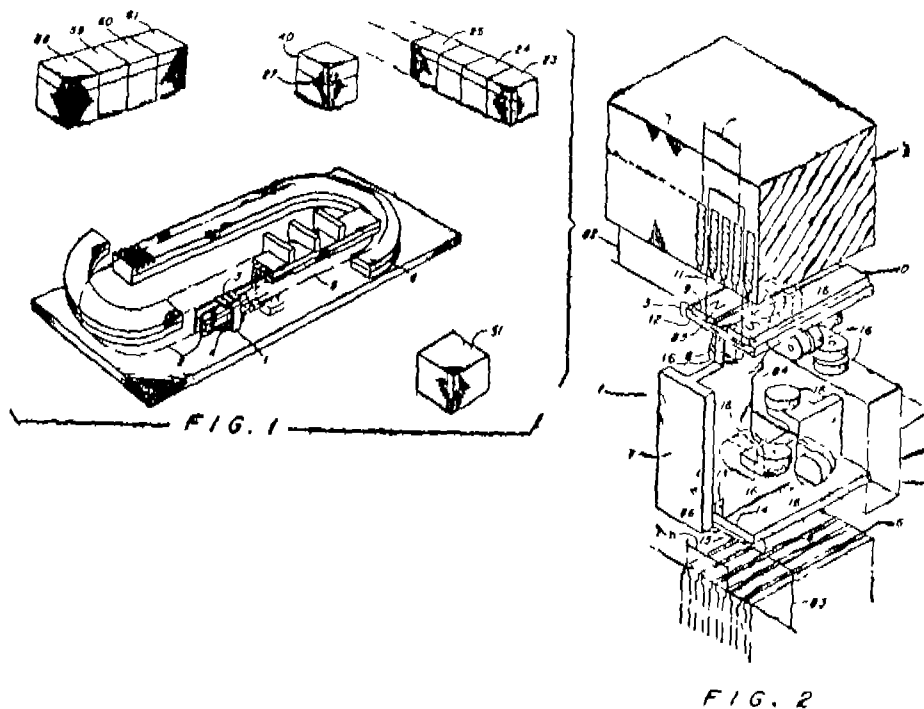
Application No. 466/Cal/89; filed on 19th June, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

14 Claims

A method of producing biaxially drawn plastic film in a tenter frame using synchronous linear motors characterized in the following steps:

- (i) passing the film between a plurality of loops formed of two oppositely arranged active carriages adapted to move on two endless tracks;
- (ii) attaching the edges of the plastic film to a plurality of tenter clips attached to synchronous secondary means which in turn are attached to the said oppositely arranged active carriages;
- (iii) propelling said film in the forward direction symmetrically in the gripped condition with a propulsion of the said carriages symmetrically; and
- (iv) biaxially drawing or stretching the said film while it is propelled in the machine direction (MD) and in the transverse direction (TD) in a conventional manner.



Compl. Specn. 105 pages.

Drgns. 5 sheets.

Cl.: 143 E.

173272

Int. Cl.: D 01 G 7/00.

THE OPENING DEVICE FOR THE OPENING OF THE COMPRESSED FIBRE BALES, EG COTTON AND RAYON STAPLE FIBRE BALES AND SIMILAR MATERIALS.

Applicant: TRUTZSCHLER GMBH. & CO. KG OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3, WEST GERMANY.

Inventor: HERR JOSEF TEMBURG.

Application No 584/Cal/89; filed on 20th July, 1989.

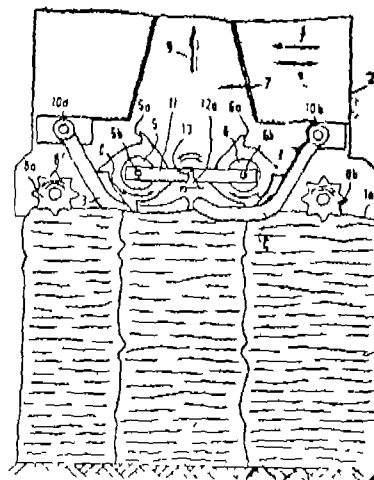
Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

16 Claims

An opening device for the opening of compressed fibre bales e.g. cotton and rayon staple fibre bales and similar others, where fast running openers rollers containing opener disks or needles are provided and catch together with a grate, the grate bars of which lie between the opener disks, e.g. toothed disks or needles, whereby the movable opener device and the locally fixed fibre bales pass rubbing gently against each other and the teeth of the opener disks or the needles catch into the fibre bale from the top, wherein adjusting media (11:20) are provided from the vertical displacement of the opener rollers (5, 6) in relation to each other and the opener disks (5, 6) remain in different depths

of penetration into the fibre bale (1) in each case of forward run (B) and backward run (A) during the working off

FIG 1



Compl. Specn. 29 pages.

Drgns. 8 sheets

Cl: 117 B.

173273

Int. Cl.: E 05 B, 47, 00, 65/00.

MAGNETIC LOCK CLOSURE DEVICE.

Applicant: APPLICATION ART LABORATORIES CO. LIMITED OF 9-16, HANAHATA 2-CHOME, ADACHI-KU, TOKYO, JAPAN.

Inventor: YOSHIHIRO AOKI.

Application No. 748/Cal/89; filed on 12th September, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

3 Claims

A magnetic lock closure device which comprises a first part or magnetically attracting part and a second part or magnetically attracted part, the first part including an annular permanent magnet having a center bore, a first ferromagnetic member formed like a disk plate and attached to one polarity side of the permanent magnet and a nonmagnetic outer cover having a center bore and enclosing the permanent magnet and the first ferromagnetic member, and the second part including a second ferromagnetic member formed like a disk plate and adapted to be removably attached to the other polarity side of the permanent magnet, the first and second ferromagnetic members having the respective ferromagnetic rods at the center extending therefrom and adapted to meet each other through the center bore when the first and second parts are coupled together, characterised in that

means are provided on the permanent magnet and outer cover for accepting the second ferromagnetic rod on the second ferromagnetic member and guiding the same into the center bore, said means including:

a funnel-shaped portion having an outwardly expanded opening extending from the center bore; and

a peripheral flat portion extending radially outwardly from said outwardly expanded opening.

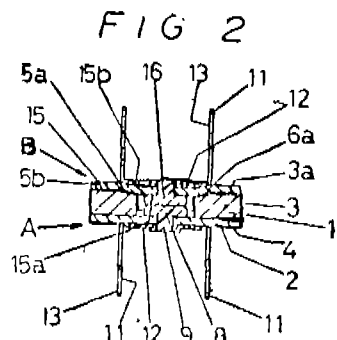
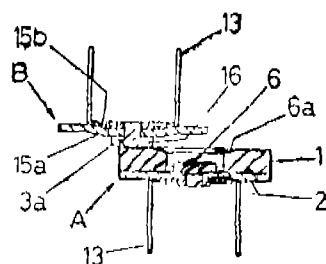


FIG. 3



Compl. Specn. 16 pages

Drgns. 3 sheets.

Cl.: 35 E

173274

Int. Cl.: C 04 B 35/00.

METHOD FOR MAKING A METAL MATRIX COMPOSITE BODY.

Applicant: LANXIDE TECHNOLOGY COMPANY LP. OF TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, UNITED STATES OF AMERICA.

Inventor: JOHN THOMAS BURKE.

Application No. 809/Cal/89; filed on 29th September, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

38 Claims

A method for making a metal matrix composite body, comprising:

forming by a method as herein described an investment shell as herein defined, having a cavity therein; and simultaneously infiltrating in the manner, such as herein described, at least a portion of a substantially non-reactive filler, as herein described, provided in the cavity of said investment shell, with molten matrix metal as herein described.

Compl. Specn. 42 pages.

Drgns. 2 sheets.

Cl.: 99 E+H.

173275

Int. Cl.: B 29 C, 43/00.

A HOLLOW COMPOSITE MEMBER.

Applicant: EMITEC GESELLSCHAFT FUR EMISSIONSTECHNOLOGIE MBH. OF HAUPTSTRASSE 150, D-5204 LOHMAR, WEST GERMANY.

Inventor: HELMUT SWARS.

Application No. 895/Cal/89; filed on 26th October, 1989.

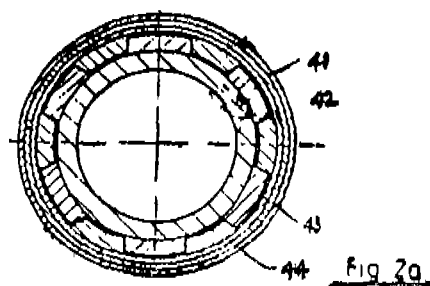
Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

4 Claims

A hollow composite member for receiving torque and/or tensile, compressive or bending forces, comprising:

an outer layer; and

inner supporting means accommodating pressure in a radial direction for insuring that in the outer material layer, essentially along its entire axial length, there prevails a circumferentially uniform tensile prestress, the supporting means including at least one annular or sleeve members (22, 23, 24) arranged so as to rest against the outer layer along parts of its circumference.



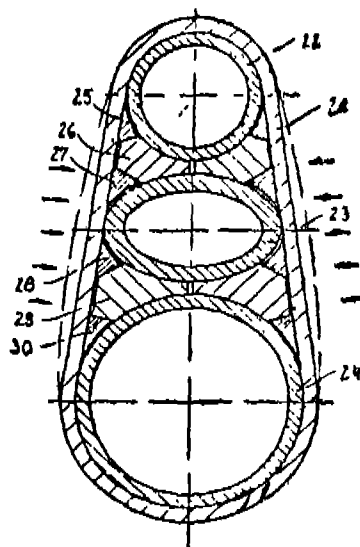


Fig 2b

Compl. Specn. 14 pages.

Drgns. 6 sheets

Cl.: 194 C1.

173276

Int. Cl.: H 01 J 9/00.

AGING METHOD FOR CATHODE RAY TUBE.

Applicant: SAMSUNG ELECTRON DEVICES CO. LTD.
OF 575, SHIN-RI, TAEAN-EUB, HWASEONG-GUN,
KYUNGGI-DO, KOREA.

Inventor: JANG-DAE LEE.

Application No. 918/Cal/89; filed on 3rd November 1989.

Appropriate office for opposition Proceedings (Rule 4,
Patent Rule, 1972), Patent Office, Calcutta.

3 Claims

An ageing method for cathode ray tube for preventing stray emissions due to foreign materials intruded into the interior of a cathode ray tube, characterized in that material(s) not capable of being removed by conventional aging methods, e.g. skin layer produced by the carbonate formed through adherence of the gas onto the electrodes of the cathode ray tube, is (are) removed by heating the electrodes of the electron gun to a high temperature by a microwave (high frequency) induction heating device.

Compl. Specn. 11 pages.

Drgns. 3 sheets.

Cl.: 134 A, 160 A.

173277

Int. Cl.: B 60 RD. 19/02.

VEHICLE BUMPER.

Applicant: ROMEO-RIM, INC. OF 74000 VAN DYKE
AVENUE, ROMEO, MICHIGAN 48065, UNITED STATES
OF AMERICA.

Inventor: JAMES LEON SMISZEK.

Application No. 87/Cal/90; filed on 30th January, 1990.

Appropriate office for opposition Proceedings (Rule 4,
Patent Rule, 1972); Patent Office, Calcutta.

14 Claims

An energy absorbing bumper for a vehicle comprising an elastomeric module having a longitudinally extending front impact face and upper and lower walls extending generally

laterally from said impact face; a rear support plate attachable to the vehicle and engaging said upper and lower walls; said module also including a plurality of longitudinally spaced first ribs extending generally laterally from said impact face and along said upper wall toward said rear support plate, a plurality of similarly longitudinally spaced second ribs extending generally laterally from said impact face and along said lower wall toward said rear support plate; and a longitudinal rail extending generally laterally from said impact face between said plurality of first and second ribs and toward said rear support plate, said module absorbing the energy of an impact against said impact face by the distortion of said walls and ribs and the buckling and subsequent deflection of said rail.

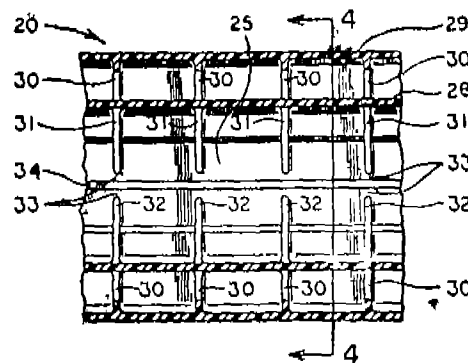


FIG 3

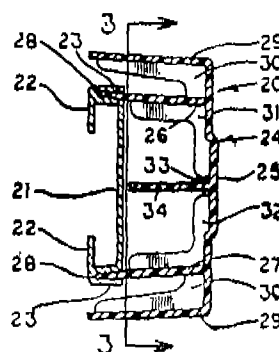


FIG 4

Compl. Specn. 14 pages.

Drgns. 4 sheets

Cl.: 85 G, J.

173278

Int. Cl.: F 27 B 5/02, 5/04, 5/16, 5/18.

A MEANS OF CONTROLLING GAS FLOWS IN VACUUM FURNACES.

Applicant: DEGUSSA AKTIENGESellschaft OF
6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE
9 FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) KARLHEINZ NEUBECKER, (2) CORDT
ROHDE, (3) GERHARD WEIZIG.

Application No. 193/Cal/90; filed on 5th March, 1990.

Appropriate office for opposition Proceedings (Rule 4,
Patent Rule, 1972), Patent Office Calcutta.

1 Claim

Means for controlling gas flows in vacuum furnaces, in which the batches in a batch chamber are heated and cooled by gas circulated by a fan, characterised in that two concentric cylinders (1, 3) movable relative to one another are disposed between the batch chamber (18) and the fan (6), the outer cylinder (1) being permanently connected to the

batch chamber (13) and the inner cylinder (3) being axially movable by a linkage between the fan suction opening and a baffle plate (5) secured in the batch chamber (13).

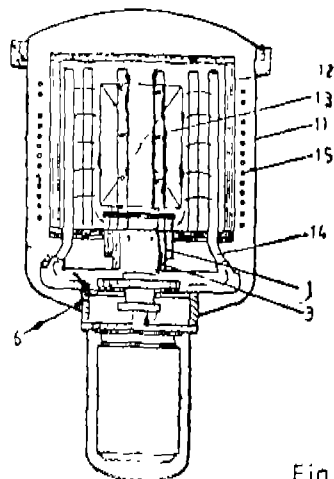
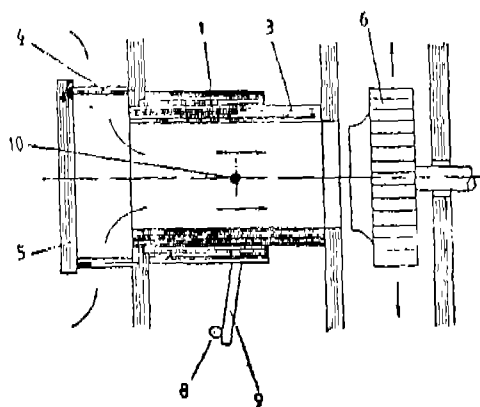


Fig 1



Compl. Specn. 6 pages.

Drgns. 2 sheets

Cl. : 102 D.

173279

Int. Cl.⁴ : F 15 B 15/18.

HYDRAULIC DRIVE TRAVELING SYSTEM.

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD. OF 6-2, OHTEMACHI-2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) HIDEAKI TANAKA, (2) TOICHI HIRATA, (3) GENROKU SUGIYAMA, (4) HITOSHI KAGIWARA, (5) TOMOHIKO YASUOKA, (6) HIROSHI WATANABE, (7) EIJI IZUMI, (8) HIROSHI ONOUE.

Application No. 275/Cal/90; filed on 3rd April, 1990.

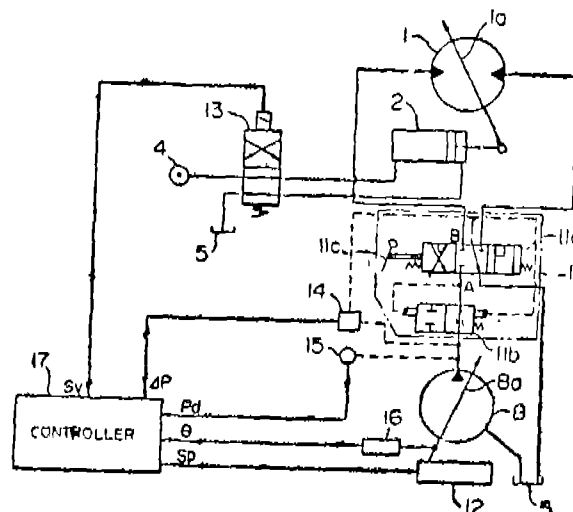
Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

16 Claims

A hydraulic drive traveling system comprising a hydraulic pump (8, 8A), at least one hydraulic motor (1) of variable displacement type driven by a hydraulic fluid delivered from said hydraulic pump, a pressure compensated flow control valve (11) connected between said hydraulic pump and said hydraulic motor for controlling a flow rate of the hydraulic fluid supplied to said hydraulic motor dependent on an operation amount of control means (11c), and motor control means (18, 17) for shifting said hydraulic motor between a first capacity and a second capacity smaller than the first capacity, wherein :

said motor control means comprises first means (600A) for detecting a value (0r) associated with a traveling speed

demanded of said hydraulic motor, and second means (601, 602, 603, 17) for controlling said hydraulic motor between the first capacity and the second capacity by using said value.



Compl. Specn. 62 pages.

Drgns. 29 sheets

Cl. : 55 D & F.

173280

Int. Cl. : A 01 N 43/34, C 07 D 209/00.

PROCESS FOR THE PREPARATION OF 2-ARYL-5-TRIFLUOROMETHYL-2-PYRROLINE COMPOUNDS.

Applicant : AMERICAN CYANAMID COMPANY OF ONE CYANAMID PLAZA, WAYNE, STATE OF NEW JERSEY 07470, UNITED STATES OF AMERICA.

Inventors : (1) VENKATARAMAN KAMESWARAN, (2) ROBERT FRANCIS DOEHNER JR., (3) JERRY MICHAEL BARTON, (4) DAVID GEORGE KUHN.

Application No. 894/Cal/91; filed on 02nd December, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

1 Claim

A process for the preparation of a compound characterized by structure of formula (I) of the accompanying drawings wherein

A is hydrogen or C₁-C₄ alkyl;

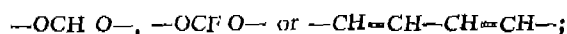
W is CN, NO₂ or CO₂ R₆;

L is hydrogen or halogen and

M and R are each independently hydrogen, C₁-C₃ alkyl.

C₁-C₄ alkoxy, C₁-C₄ alkylthio, C₁-C₄ alkylsulfinyl, C₁-C₄

alkylsulfonyl, CN, NO₂, halogen, CF₃, R₁CF₂Z, R₂CO or NR₃, R and when M and R are on adjacent positions they may be taken together with the carbon atoms to which they are attached to form a ring in which MR represents the structure



Z is S(0) or O;

R is hydrogen, F, CHF, CHFCI or CF;

R is C-C alkyl, C-C alkoxy or NR R;

R is hydrogen or C-C alkyl;

R is hydrogen, C-C alkyl or R CO;

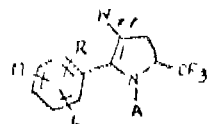
R is hydrogen or C-C alkyl and

R is C-C alkyl, C-C cycloalkyl or phenyl;

n is an integer of 0, 1 or 2

which comprises reacting a compound having formula (II) wherein A, L, M and R are as defined with about 1.0 molar equivalent of an activating olefin having the structure of formula (III)

wherein W is as defined above and optionally a catalytic amount of an organic base such as herein described in the presence of an acid anhydride such as herein described and a solvent such as herein described the reaction being effected at a temperature of between 55 °C and 210 °C.



FORMULA (I)

Compl. Specn. 25 pages.

Digns. 6 sheets

Cl. : 40 B.

173281

Int. Cl.⁴ : C 08 F 4/52, 4/64, 4/68.

A PROCESS FOR THE PREPARATION OF CATALYTIC COMPOSITION SUITABLE FOR USE IN POLYMERIZATION OF OLEFINS.

Applicant : NORSOLOR OF TOUR-AUORE-PLACE DES REFLETS, F-92080 PARIS LA DEFENSE 2, CEDEX 5, FRANCE.

Inventors : (1) JEAN MICHEL BRUSSON, (2) KARIL BUJADOUX, (3) JEAN MARC FUCHS, (4) FRANCIS PEIT, (5) ANDRE MORFREUX.

Application No. 448/Ca/89, filed on 13th June, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972 Patent Office, Calcutta.

12 Claims

A process for the preparation of a catalytic composition of the type, as herein described, suitable for use in polymerization of olefins, such as herein described, the said process being characterized in that at least partial electrochemical oxidation of aluminium (in the manner such as herein described) in a halogenated solvent of the α , ω -dihalogenoalkane type, is carried out simultaneously with electrochemical reduction (in the manner such as herein described) of a compound of titanium (IV), such as herein described, optionally in the presence of at least one α -olefin having from 4 to 16 carbon atoms, and also optionally a vanadium (IV) or vanadium (V) compound, chosen from the compounds of general formula $VO(OR)_m X_{3-m}$ in which X is a halogen, R is an alkyl radical having from 1 to 6 carbon atoms and $0 \leq m \leq 3$, and the compounds of formula VX_4 , in which X is a halogen, is added to the reaction medium during the simultaneous electrochemical oxidation and electrochemical reduction, and further optionally the simultaneous electrochemical oxidation and electrochemical reduction are carried out in the presence of at least one magnesium halide, such as herein described.

Compl. Specn. 24 pages.

Digns. 1 sheet

Cl. : 190 A+B; 107.

173282

Int. Cl. : F 02 C, 1/00.

A GAS TURBINE ENGINE.

Applicant : GENERAL ELECTRIC COMPANY OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : JEFFREY CARL MAYFR.

Application No. 645/Ca/89; filed on 8th August, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972 Patent Office, Calcutta.

8 Claims

A gas turbine engine comprising :

a fan;

a core engine for generating combustion exhaust gases, and having a core outlet for discharging said exhaust gases;

a bypass duct for channeling cooling bypass airflow from said fan and over said core engine, and having a duct outlet for discharging said bypass airflow;

a mixer disposed at a downstream end of said core engine for mixing said exhaust gases from said core outlet and said bypass airflow first portion from said duct outlet;

an augmentor including an annular combustion liner for receiving therein said exhaust gases from said core outlet and a first portion of said bypass airflow from said duct outlet, and an annular plenum surrounding said liner for receiving a second portion of said bypass airflow from said duct outlet for cooling said augmentor;

means for accelerating said bypass airflow to a velocity greater than Mach 1 for providing accelerated bypass airflow to said augmentor, said accelerating means including a flow guide having a first portion cooperating with said mixer for defining a throat at said duct outlet and a converging channel in said bypass duct for accelerating said bypass airflow in said duct for accelerating said bypass airflow in said converging channel to velocities up to Mach 1 at said throat, and a third portion extending downstream from said first portion for defining a third portion diverging channel to accelerate said bypass airflow discharged from said throat to said velocity greater than Mach 1; and

means for decelerating said accelerated bypass airflow to a velocity less than Mach 1 for creating pressure losses due to shock waves in said bypass airflow second portion channelled to said plenum for reducing differential pressure acting across said liner, said decelerating means including said liner having an upstream end defining with said flow guide an inlet to said plenum for generating said shock waves.

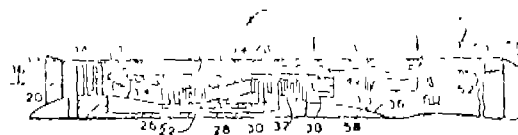


FIG 1

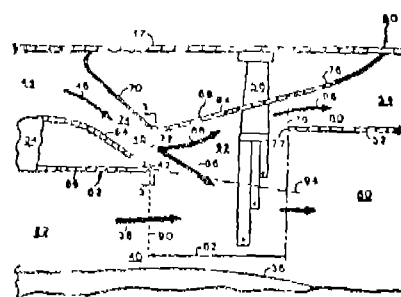


FIG 2

Compl. Specn. 22 pages.

Digns. 2 sheets

Cl. : 138-B; 116-G.

173283

Int. Cl. : F 16 B 45/00.

IMPROVED HOLDING HOOK AND A METHOD FOR ITS MANUFACTURE.

Applicant : MINNING AND ALLIED MACHINERY CORPORATION LTD. OF DURGAPUR-713210, WEST BENGAL, INDIA.

Inventor : MR. GADADHAR KARMAKAR.

Application No. 732/Cal/89; filed on 05th September, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972 Patent Office, Calcutta.

8 Claims

A method for the manufacture of improved holding hook comprising the following steps.

(i) cutting a blank of required size from a bar of cylindrical or other required shape,

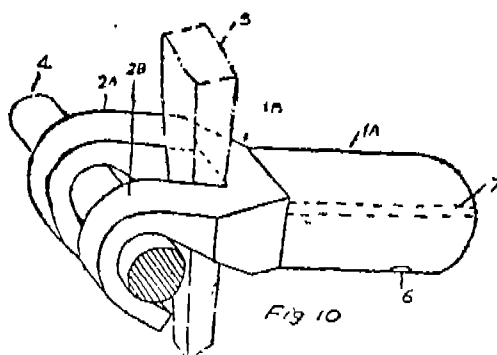
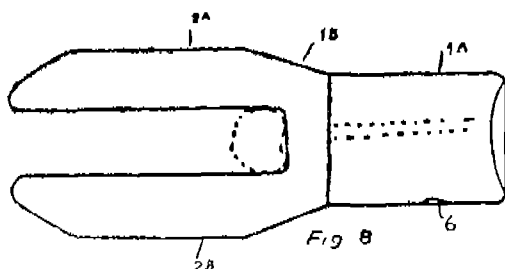
(ii) subjecting the cut blank to a step of conventional descaling under mechanical compression,

(iii) subjecting a preselected part of the descaled blank to a first pre-forging step so as to obtain a flattened portion of required length and thickness and sufficient enough to form a hook portion and a head portion of the shape of said bar with an intermediate portion therebetween,

(iv) subjecting the flattened portion to a second step of compression forging in the portion predetermined for forming hooks such that a relatively thinner longitudinal 'wad' portion such as herein defined is formed inter-connecting the extreme two longitudinal ends,

(v) thereafter the material obtained in step (iv) is subjected to a trimming operation and a piercing off operation in a crank-press to remove the said longitudinal interconnecting wad so as to clearly form the two hook arms at the same plane the bases of which are integrally formed at the base of the intermediate portion,

(vi) whereafter the material obtained in step (v) is subjected to a bending operation of the hook arms in a crank press so as to bend the hook arms into two hook members having free ends at the same plane.



Compl. specn. 15 pages.

Drgns. 3 sheets.

Cl. 14 D. 48A4

173284

Int. Cl. H 01 B 11/22

"AN LWL CABLE"

Applicant : AEG KABEL AKTIENGESELLSCHAFT of Bounenbroicher Strasse 2-14, D-4050 Monchengladbach 2, West Germany.

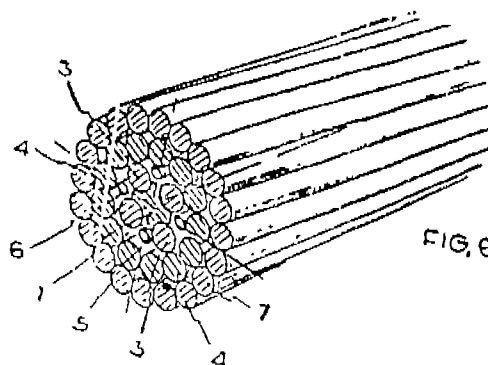
Inventors (1) HELMUT HAAG, (2) GEORGE HOG, (3) MICHAEL HOFFART (4) BERNDT ROPERTZ (5) GUNTER THONNESSEN.

Application No. 750/Cal/89; filed on 13th September, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office Calcutta.

11 claims.

The LWL Cables comprising of a core, LWL leads and electric Conductors wherein said core has a spiral surface configuration adapted to hold a first layer of electrical conductors and LWL leads positioned in a spaced apart relationship circumferentially with respect to one another, a second layer and subsequent layer of electrical conductors laid over said core and said first layer formed of the electric conductors and LWL leads so as to provide a displacement free holding of the electric conductors and the LWL leads in the cable.



Compl. specn. 8 pages.

Drgns. 3 sheets

Cl. 35 E.

173285

Int. Cl. C 04 B 35/00.

"METHOD OF MAKING METAL MATRIX COMPOSITE BODY".

Applicant : LANXIDE TECHNOLOGY COMPANY, LP, of Tralee Industrial Park, Newark, Delaware, 19714-6077, United States of America.

Inventors : (1) MAC STEVENS NEWKIRK, (2) ANDREW WILLARD URQUHART, (3) MICHAEL AGHAJANIAN, (4) MARK GORDEN MORTENSON

Application No. 810/Cal/89; filed on 29th September, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office Calcutta.

31 claims.

A method for making a metal matrix composite body, such as herein described, comprising :

Spontaneously infiltrating, as herein described, at least a portion of a body, as herein described, comprising at least one material selected from the group consisting of a loose mass of substantially non-reactive filler as herein described and a perform comprising a shaped substantially non-reactive filler as herein described, with molten matrix metal as herein describe;

contacting in the manner such as herein described, at least a portion of said body or said body or said matrix metal with

a second metal, as herein described, which is different in composition from said matrix metal, thereby modifying as herein described at least one property of the infiltrated body; and

cooling said infiltrated body containing said matrix metal and second metal therein, thereby forming a metal matrix composite body.

Compl. specn. 39 pages

Drgns. Nil.

Cl. 35 E

173286.

Int. Cl. C 04 B 35/00.

"METHOD OF MAKING METAL MATRIX COMPOSITE BODY".

Applicant : IANXIDE TECHNOLOGY COMPANY, LP, of Tralce Industrial Park, Newark, Delaware 19714-6077, United States of America.

Inventors : (1) MARC STEVENS NEWKIRK, (2) MICHAEL KOVORK AGHAJANIAN

Application No. 811/Cal/89; filed on 29th September, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office Calcutta.

39 claims.

A method for making a metal matrix composite body, such as herein described, comprising :

spontaneously infiltrating, in the manner such as herein described, at least a portion of a filler constituted by a comminuted oxidation reaction product such as herein described, with molten matrix metal such as herein described.

Compl. specn. 68 pages.

Drgns. 2 sheets

Cl. 151 D+F

173287.

Int. Cl. F 16 L 19/00.

"METHOD AND ARRANGEMENT FOR MAKING INTERCONNECTED TUBULAR MEMBERS".

Applicant : FMITEC GESFELSCHAFT FUR EMISSIONSTECHNOLOGIE MBH, of Hauptstrasse 150, 5204 Lohmar, West Germany.

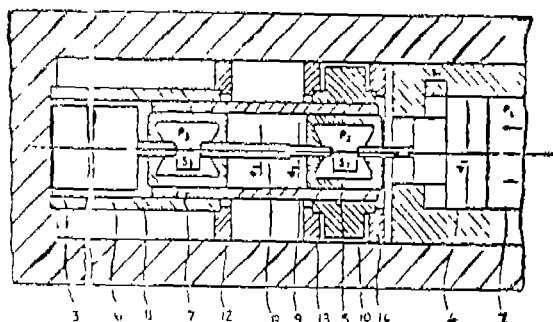
Inventor : HELMUT SWARS.

Application No. 831/Cal/89; filed on 06th October, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office Calcutta.

5 claims.

A method for manufacturing interconnected tubular members by providing force-locking connections between tubular members inserted into each other or for attaching elements slid on to the tubular members, through permanent radial expansion of several sleeves slid into these in a coaxial arrangement, characterized in that the sleeves are filed with a pressurised fluid and that pistons are inserted into their apertures, with apertures of adjoining sleeves, facing each other being closed by one single piston, and that by bringing the two pistons closing the outwardly facing apertures of the outer sleeves closer together, the internal pressure is increased.



Compl. specn. 9 pages.

Drgns. one sheet.

Cl. 35 E

173288.

Int. Cl. C 04B 8 35/00, 14/00 C/01 B 31/36, V 22 C 29/00.

"A PROCESS FOR PREPARING SELF-SUPPORTING BODIES HAVING CONTROLLED POROSITY AND GRAD-ED PROPERTIES.

Applicant : IANXIDE TECHNOLOGY COMPANY I.P. of Tralce Industrial Park, Newark, Delaware 19714-6077, United States of America.

Inventors : (1) TERRY DENNIS CLAAR, (2) WILLIAM BAYARD JOHNSON.

Application No. 977/Cal/89; filed on 01st December, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office Calcutta.

5 claims.

A method of producing a self-supporting body having controlled porosity and graded properties, as herein defined, comprising :

mixing a particulate parent metal as herein defined in at least a portion of a boron carbide material as herein defined and reacting said particulate parent metal with said boron carbide material as herein defined in a substantially inert atmosphere to form at least one boron-containing compound and

continuing said reaction for a time sufficient to produce a

self-supporting body comprising at least one parent metal boron-containing compound, said self-supporting body exhibiting a graded porosity as herein defined.

Compl. specn. 16 pages.

Drgns. 1 sheet.

Cl. 83 B-5; 143 D4: 144 E2

173289.

Int. Cl. B 08 8 17/00, 17/04, 17/06.

B 44 D 3/00:

B63 B 59/00, 59/04.

"A METHOD AND DEVICE FOR PRESERVATION OF VALUABLE DOCUMENTS, MUMMYS AND OTHER ANTIQUE MUSEUM MATERIALS FROM DETERIORATION DUE TO ATMOSPHERIC POLLUTION AND HAZARDOUS CHEMICALS".

Applicant & Inventor : KAJI SANKAR BISWAS Of 59/1, Sree Palli P. O. Purba Putiary Calcutt-700093; India.

Application No. 1028/Cal/89; filed on 13th December, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office Calcutta.

17 claims.

A method of preservation of valuable documents paintings, photographs, old garments, Mummys and other antique museum materials from deterioration due to atmospheric pollution and hazardous chemicals which comprises -

(a) treating the objects to be preserved at 100-140 C by vaporised process as commonly known in the art for at least half an hour, cooling and removing any traces of water that may adhere to it by known processes;

(b) placing the above treated object in an all glass container having sealable holes;

(c) removing air from the container and replacing the same with an inert gas like Nitrogen or Helium and sealing the container;

(d) Placing the sealed glass container with the object in a larger all glass container containing sealable holes; and

(e) removing air from the larger container by a vacuum pump and sealing the holes of the larger container to maintain the vacuum.

Compl. specn. 12 pages.

Drgns. Nil.

Cl. 121

173290.

Int. Cl⁴ : C 09 K 11/00, 11/86.

"METHOD FOR MANUFACTURING EUROPIUM ACTIVATED RED PHOSPHOR".

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD.
OF 575 SIN-RITAEAN-EUB, Hwasung-Kun, Kyungki-do, Republic of Korea.

Inventor : JUNMO YANG.

Application No. 1071/Cal/89; filed on 28th December, 1989.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rule 1972) Patent Office, Calcutta.

4 claims.

A method for manufacturing a europium activated red phosphor comprising ad-mixing, yttrium oxide (Y_2O_3) and europium oxide (Eu_2O_3) with a composite flux comprising a mixture of Na_2CO_3 , NaF and B_2O_3 , the ratio of the aforesaid compounds per 100 weight parts of yttrium oxide and 6.5 weight parts of europium oxide being

Na CO : 2-6 weight parts.

NaF : 2-6 weight parts.

B O : 0.5-1.0 weight parts, and

baking the mixture to 1300 degrees-1400 degrees Centigrade.

(Compl. Specn. 10 pages.

Drgns. 2 sheets)

Cl. 39 L

173291

Int. Cl⁴ : B 01 J 21/00, 23/00, 23/72, 23/80.

C 10 K 3/02.

"PROCESS FOR PREPARATION OF LOW TEMPERATURE SHIFT CATALYST".

Applicant : UNITED CATALYSTS INC. OF 1227 SO.
12TH STREET, LOUISVILLE, KENTUCKY 40201, UNITED STATES OF AMERICA.

Inventors : (1) JOHN ALLEN RAY, (2) DINAH CHEN-
YING HUANG, (3) EDWARD KENNETH DILNES.

Application No. 249/Cal/89, filed on 03rd April 1989.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rule 1972) Patent Office, Calcutta.

9 claims.

A process for the preparation of a catalyst suited for low temperature water gas shift reaction having copper, zinc, alumina modified with barium carbonate present in the form of their oxides in the following weight percentages; copper oxide: 25 to 50%, zinc oxide: 25 to 55%, alumina : 5 to 30% and barium carbonate : 1 to 20%, which comprises co-precipitating the precursors of copper and zinc oxides from solution of copper and zinc amine carbonate in an aqueous slurry of alumina, said barium carbonate being incorporated by carrying out said co-precipitation in presence or absence of barium hydroxide followed by filtering and drying the cake thus obtained and calcining the dried cake with the proviso that when the co-precipitation is carried out in the absence of barium hydroxide, the calcined cake is slurried in water in the presence of barium hydroxide and CO and, thereafter dried to obtain the desired product.

(Compl. specn 25 pages.

Drgs. Nil)

Cl. : 76 E.

173292

Int. Cl⁴ : A 44—B 19/42.

"APPARATUS FOR MAKING SLIDE FASTENERS".

Applicant : OPTI PATENT, FORSCHUNGS-UND FAB-
RIKATIONS-AG. OF 8750 RIEDERN-ALLMEIND/
SWITZERLAND.

Inventors :

(1) ALFONS FROHLICH.

(2) WERNER RADEMACHER.

(3) JORG GEIGER.

(4) BURGHARDT NEAS.

(5) WILHELM WESSLING.

Application No. 485/Cal/89; filed on 23rd June 1989.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rule 1972) Patent Office, Calcutta.

7 Claims

An apparatus for making slide fasteners from a workpiece formed of a pair of longitudinally extending parallel tapes having confronting edges provided with longitudinally extending and transversely couplable coupling elements, the apparatus comprising :

means for making the workpiece upstream of the gapping station at locations spaced apart by predetermined distances;

means forming a treatment path through a gapping station, a bottom stop installing station, a slider-mounting station, a top-stop installing station, and a cutting station;

means for removing the elements from the tapes at gaps spaced longitudinally of the workpiece in the gapping station;

means for fitting a bottom stop to the elements at one end of each of the gaps in the bottom-stop installing station;

means for mounting a slider to the elements at the slider-mounting station between each gap and the following gap;

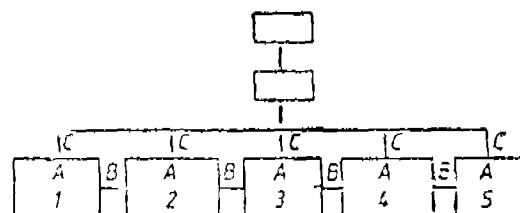
means for fitting top stops to the element in the top stop installing station at each gap; and

means for transversely cutting the tapes of the work-piece at the gaps at the cutting station into individual slide fasteners;

buffer means for storing the workpiece in buffers downstream of each of the stations except the cutting station and only feeding the workpiece from each buffer into the immediately downstream station when a predetermined length of the workpiece is in the buffer; and

means for detecting the marks on the workpiece at each of the stations and triggering the respective means only when one of the marks is detected.

Fig. 1



(Compl. Specn. 14 pages.

Drgns. 7 sheets)

Cl.: 194 C 1

173293

11 Claims

Int. Cl.: H 01 J 29/07.

"SHADOW MASK FRAME FOR PREVENTION OF HALATION".

Applicant: SAMSUNG ELECTRON DEVICES CO. LTD.
OF 575, SHIN-RI, TAEAN-EUB, HWASEONG-GUN, KY-
UNGGI-DO, KOREA.

Inventors:

(1) BYEONG-GAK JEONG.

(2) KEUN-BAE LEE.

Application No. 891/Cal/89; filed on 25th October 1989.

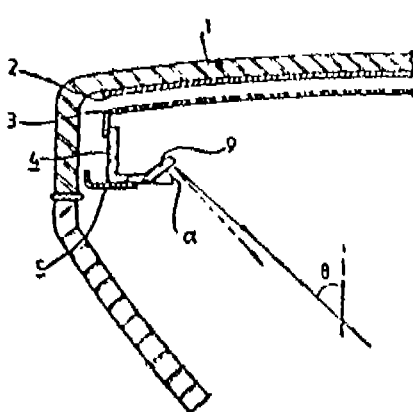
Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rule, 1972), Patent Office, Calcutta.

5 Claims

A shadow mask frame for prevention of halation in shadow mask type color picture tube, the said shadow mask frame supporting a shadow mask to be maintained by a certain gap to the luminescent screen formed on the inner surface of a panel, and having an opening portion for limiting the outer boundary of the effective region for the electron beams,

characterized in that a bent end portion is provided around the periphery of the said opening portion of the said frame, with the bending being formed in an inclination angle duly pre-determined in the manner such as herein described, relative to the plane of the said frame, the inclination angle depending on the maximum deflection angle(s) of the electron beams.

Fig. 5



(Compl. Specn. 15 pages.

Drgns. 5 sheets)

Cl.: 102 B

173294

Int. Cl.: E 02 F 9/22.

HYDRAULIC DRIVE SYSTEM.

Applicant: HITACHI CONSTRUCTION MACHINERY
CO. LTD. OF 6-2, OHTEMACHI 2-CHOME, CHIYODA-
KU, JAPAN.

Inventors:

(1) YUSUKE KAJITA.

(2) TOICHI HIRATA.

(3) GENROKU SUGIYAMA.

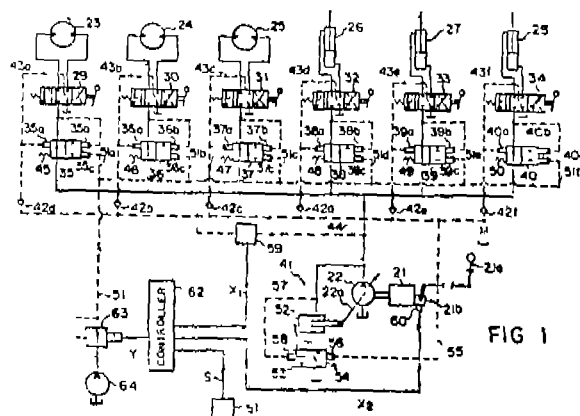
Application No. 969/Cal/89; filed on 22nd November 1989.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rule, 1972), Patent Office, Calcutta.

A hydraulic drive system comprising a prime mover (21), a hydraulic pump (22) driven by said prime mover, a plurality of hydraulic actuators (23—28) driven by hydraulic fluid supplied from said hydraulic pump, a plurality of flow control valves (29—34) for controlling flow of the hydraulic fluid supplied to said actuators, and a plurality of pressure compensating valves (35—40) for controlling respectively differential pressures across the respective flow control valves, said pressure compensating valves being provided respectively with drive means (45—50, 35c—40c) for applying control forces ($F-F_c$) in a valve opening direction for setting target values of the differential pressures across the respective flow control valves, wherein said hydraulic drive system comprises:

at least one detecting means (60) for detecting a target rotational speed (N_0) of said prime mover (21);

control means (61, 62, 63) for controlling said drive means (45—50, 35c—40c) on the basis of said target rotational speed detected by said first detecting means such that said control forces ($F-F_c$) decrease in accordance with decrease in said target rotational speed.



(Compl. Specn. 68 pages.

Drgs. 15 sheets)

Cl.: 139 G; 39 Q

173295

Int. Cl.: C 07 C 149/00

C 01 B 17/00.

STORAGE-STABLE COMPOSITION FOR THE DISSOLUTION OF SULFUR.

Applicant: ELF ATOCHEM NORTH AMERICA, INC.
OF THREE PARKWAY, PHILADELPHIA, PENNSYLVANIA
19102, UNITED STATES OF AMERICA.

Inventor: MICHAEL JEFFREY LINDSTROM.

Application No. 1043/Cal/89; filed on 18th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rule, 1972), Patent Office, Calcutta.

20 Claims

A storage-stable composition for the dissolution of sulfur which comprises more than 50% by wt. of a sulfide of the formula R^1SSR^2 where R^1 and R^2 are independently alkyl, aryl, aralkyl, alkoxyalkyl or hydroxyalkyl radicals where in the alkyl moiety has from 1 to 24 carbon atoms and A is an average number ranging from 0 to 3, a catalytic mixture of an amine and a mercaptan, and a stabilizing component such as herein described in amount from 10 to 100000 ppm based on the weight of the composition.

(Compl. Specn 18 pages

Drgns. 2 sheets)

Cl.: 128 K.

173296

physically independent and attachable to each other, and said second body being also provided with a front door 4.

Int. Cl.⁴: A 61 B 17/12.**"A LIGATING ASSEMBLY FOR ENDOSCOPIC SURGERY."**

Applicant: ETHICON, INC. OF U.S. ROUTE 22 SOMERVILLE, NEW JERSEY 08876 UNITED STATES OF AMERICA.

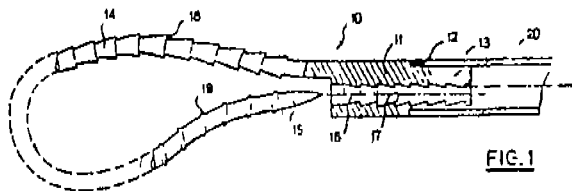
Inventor: JOSEPH BILWEIS.

Application No. 1064/Cal/89; filed on 26th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, tent Rule, 1972), Patent Office, Calcutta.

7 ClaimsA ligating assembly for endoscopic surgery, comprising:
trocar; and

one-piece element constituted by a body fittable in the end of said trocar and by a thread extending from said body and constituting binding means, the body including a threading channel receiving the free end of the thread at one of its ends and opening out to the inside of the trocar at its other end the thread and the channel being provided with tightening means for retaining the thread in position once it has been inserted at least partially into the channel.

**FIG. 1**

(Compl. Specn. 11 pages.)

Drgns. 2 sheets)

Cl.: 187 E.

173297

Int. Cl.⁴: H 04 M 17/00.**"OUTDOORS MODULAR PUBLIC TELEPHONE."**

Applicant: TELEFONICA DE ESPANA, S.A., OF GRAN VIA, 28, 28013 MADRID, SPAIN.

Inventors:

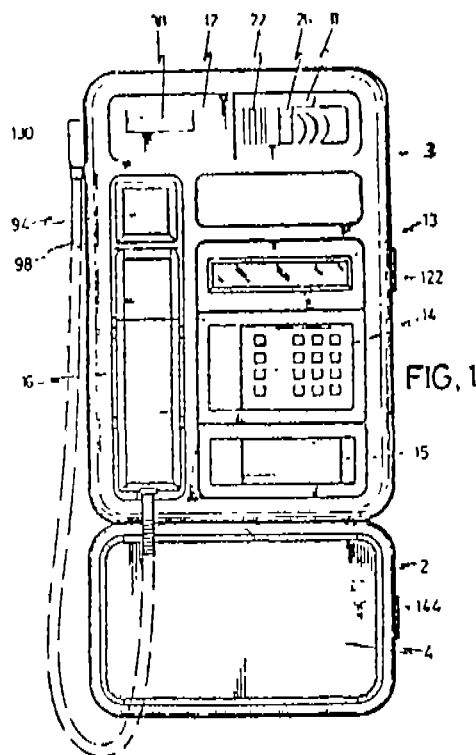
- (1) FRANCISCO IBANEZ PALOMEQUE.
- (2) JOSE MANUEL GARCIA MORALES.

Application No. 1072/Cal/89; filed on 29th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

13 Claims

Outdoors modular public telephone, designed to be used with coins and/or credit cards, comprising a body 1 containing the telephone mechanisms and being provided with a front door 3, corresponding to the body, and also being provided with a plurality of windows 5, 6, 7, 8, 9 and 10, designed to receive and fix respective operative modules, specifically a coin insertion module 11 and/or a card insertion module 12, a data display module 13, a keypad module 14, a coin return module 15 and a handset hanging module 16, wherein some of such modules, specifically modules 11 and 12 for coin or card insertion, and coin return module 15 can optionally be replaced by corresponding lids, as necessary, the rear surface of such lids, like the said modules, being provided with threaded bolts to fix the said lids 3 on top of the body, and said body being operatively connected to a second body 2 constituting a coin collecting chest, in the event of coin insertion/return modules being provided in the said body, the latter and the said second body being duly shielded and

**FIG. 1**

(Compl. Specn. 32 pages.)

Drgns. 17 sheets)

Cl.: 55 F.

173298

Int. Cl.: A 61 K 9/52 9/58.

"METHOD FOR OBTAINING A STABILIZED CONTROLLED RELEASE FORMULATION".

Applicant: EUROCHELTIQUE, S.A., OF 122 BOULEVARD DE LA PETRUSSE, LUXEMBOURG.

Inventors:

- (1) BENJAMIN OSHLACK.
- (2) MARK CHASIN.
- (3) FRANK PEDI, JR.

Application No. 462/Cal/92; filed on 29th June 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

11 Claims

A method for obtaining a stabilized controlled release formulation comprising a substrate such as herein described with an aqueous dispersion of an acrylic polymer such as herein described comprising

preparing an aqueous dispersion of a plasticized acrylic polymer such as herein described,

preparing a solid substrate comprising a therapeutically active agent such as herein described,

overcoating said substrate with a sufficient amount of said aqueous dispersion of plasticized acrylic polymer to obtain a predetermined controlled release of said therapeutically active agent when said coated substrate is exposed to aqueous solutions, and

curing said coated substrate by subjecting said coated substrate to a temperature greater than the glass transition temperature of the aqueous dispersion of plasticized acrylic polymer and continuing the curing until an endpoint is reached at

which said substrate attains a dissolution profile which is substantially unaffected by exposure to storage conditions of elevated temperature and/or humidity.

(Compl. Specn. 55 pages.

Drgns. Nil)

Cl.: 32 G.

173299

Int. Cl.: C 07 C 172/00, 35/08, 35/50.

A METHOD OF PREPARING 5, 6-CIS 1 α , 24 DIHYDROXY VITAMIN D₂.

Applicant: LUNAR CORPORATION 313 WEST BELT-LINE HIGHWAY MADISON, WISCONSIN 53713 UNITED STATES OF AMERICA.

Inventors:

- (1) CHARLES W. BISHOP.
- (2) GLENVILLE JONES.
- (3) JOYCE C. KNUTSON.
- (4) STEPHEN STRUGNELL.
- (5) ROBERT M. MORIARTY.
- (6) RAJU PENMASTA.

Application No. 27/Cal/92; filed on 14th January 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

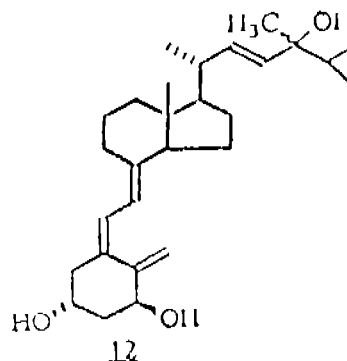
2 Claims

A method of preparing 5, 6 Cis 1 α , 24 dihydroxy vitamin D₂, comprising:

- (a) acetylating ergosterol to form its 3 β -acetate;
- (b) reacting with a triazoline dione and ozonating to form the 22-oxo-5 α , 8 α - (4-phenyl-3, 5-dioxo-1, 2, 4-triazolidine-1, 2-diyl) 23, 24-dinor-6-choleone-3 β -yl acetate;
- (c) adding 3-methylbutan 2-one to 22-oxo-5 α , 8 α (4-phenyl-3, 5-dioxo-1, 2, 4-triazolidine-1, 2-diyl) 23, 24-dinor-6-choleone-3 β -yl acetate to form (22E) 5 α , 8 α - (4-phenyl-3, 5-dioxo-1, 2, 4-triazolidine-1, 2-diyl) cholesta-6, 22-diene-24-one-3 β -yl acetate;
- (d) adding methylmagnesium bromide to (22E) 5 α , 8 α - (4-phenyl-3, 5-dioxo-1, 2, 4-triazolidine-1, 2-diyl) cholesta-6, 22-diene-24-one-3 β -yl acetate to form (22E) -5 α , 8 α - (4-phenyl-3, 5-dioxo-1, 2, 4-triazolidine-1, 2-diyl) -6, 22-ergostadiene-3 β , 24-diol;
- (e) reducing the (22E) -5 α , 8 α - (4-phenyl-3, 5-dioxo-1, 2, 4-triazolidine-1, 2-diyl) -6, 22-ergostadiene-3 β , 24-diol to form 24-hydroxy ergosterol;
- (f) irradiating 24-hydroxyergosterol to form 24-hydroxy vitamin D₂;
- (g) tosylating 24-hydroxy vitamin D₂ in the presence of 3 β -tosylate;
- (h) solvolysing 24-hydroxy vitamin D₂ tosylate to form 24-hydroxy 3, 5 cyclovitamin D₂;
- (i) allylically oxidizing the 24 hydroxy -3, 5 cyclovitamin D₂ with selenium dioxide to form 1 α , 24 dihydroxy cyclovitamin D₂; and
- (j) hydrolyzing the 1 α , 24 dihydroxy 3, 5 cyclovitamin D₂ with a mixture of dimethylsulfoxide and an organic acid to form an admixture of the 5, 6 cis 1 α -hydroxy and 5, 6 trans 1 α , 24 dihydroxy vitamin D₂ and forming a Diels-Alder adduct of the 5, 6

trans 1 α -hydroxy vitamin D₂ to allow purification to yield 1 α , 24 dihydroxy vitamin D₂.

all of the foregoing steps a, b, c, d, e, f, g, h, i and j being carried out in a conventional manner.



(Compl. specn. 27 pages.

Drgns. 2 sheets)

Cl.: 32 A 1

173300

Int. Cl.⁴: C 09 B 27/00, 29/08, 29/15, 29/42, 29/46, 29/095.

"PROCESS FOR THE PREPARATION OF FIBRE-REACTIVE AZO DYES".

Applicant: HOECHST CELANESE CORPORATION, OF ROUTE 202-206 NORTH, SOMERVILLE, N. J. 08876, UNITED STATES OF AMERICA.

Inventors: (1) THOMAS S. PHILLIPS, (2) ANTHONY J. CORSO.

Application No. 152/Cal/91; filed on 18th February 1991.

(Divided out of No. 482/Cal/88) antedated to 14-6-88).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

9 Claims

A process for the preparation of fibre reactive azo dyestuff of the general formula (6) of the accompanying drawings, wherein M is hydrogen or an alkali metal.

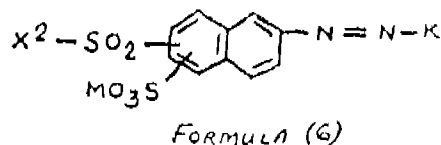
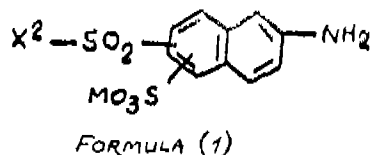
X¹ is the vinyl group or a group of the formula -CH₂-CH₂-Z, in which Z is an organic or inorganic substituent capable of being split off by means of an alkaline agent, and

the sulfo group -SO₃ M is in the 7-position if the group X²-SO₂- is in the 5-position, or the sulfo group is in the 5-position if the group X²-SO₂- is in the 7-position,

K is the residue of a coupling component, in particular selected from the benzene, naphthalene, acetoacetic acid arylamine, pyrazolone and pyridone series as shown in formulae 7a, 7b, 7c, 7d, 7e, 7f and 7g of the drawings and characterized in that an aminonaphthalene of the general formula 1, wherein M, and X² are defined as above, the substituent X²-SO₂- is in the 5-position if the group MO₃ S- is in the 7-position, or the substituent

X²-SO₂- is in the 7-position if the group MO₃ S- is in the 5-position, is diazotized and coupled in a conventional manner with a compound of the general formula H-K in which K is defined as above if desired the

azodyestuff is separated from the reaction medium by known methods



(Compl. specn 34 pages.

Drgns. 3 sheets).

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the patent office, Calcutta, and its branches at Bombay, Madras, and Delhi at two rupees per copy :—

(1)

162301	162302	162303	162304	162305	162306	162307
162308	162309	162310	162311	162312	162313	162314
162315	162316	162317	162318	162319	162320	162321
162322	162323	162324	162325	162326	162327	162328
162329	162330	162331	162332	162333	162334	162335
162336	162337	162338	162339	162340		

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162341	162342	162343	162344	162345	162346	162347
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162351	162352	162353	162354	162355	162356	162357
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162417	162418	162419	162420			

PATENT SEALED ON 25-2-1994

160980	168762*	169036	169058*	169059*	169093*	169259
169376*	169446	169630	169751	169752	169853	169916
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171967	171968*	171969*	171970*	171972*	171973	

CAL-16, MAS-14, BOM-05, DEL-05

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of Sealing.

• D—DRUG PATENT, F—FOOD PATENT

REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (Patents)

Assignments, licences or other transaction affecting the interest of the original patentee have been registered in the following cases.

15855—SHIV DOMESTIC PVT. LTD.

RENEWAL FEES PAID

151284	154208	154412	154492	154514	154516	156693
156789	156881	156981	157089	157262	157388	157659
158247	158308	158377	158435	158516	158524	158553
158614	159120	159862	159909	160090	160091	161057
161610	161614	162321	162664	163175	163390	163860
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165536	165886	165887	166127	166519	166778	166966
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168574	168730	169049	169459	169548	169681	169863
169896	170115	170145	170679	170715	170866	170883
171140	171651	171658	171659	171691	171743	171750
171808						

CESSATION OF PATENTS

165164	165184	165185	165206	165207	165209	165213
165217	165222	165224	165225	165247	165256	165272
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165646	165647	165654	165672	165688	165689	165694
165697	165708					

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Sec. 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries :

- Class 1. No. 166040. Super Refrigeration Pvt. Ltd. at E-138, Jahangir Puri, Delhi-110033, India, Indian Company. "Compressor". August 17, 1993.
- Class 3. No. 165586. Malhotra Rubber (P) Ltd. of 877-S. P. Mukherjee Marg, Delhi-110006, India. "Tyre". April 27, 1993.
- Class 3. No. 166332. Sunny Enterprises, a Partnership Firm of 44A, Vivekananda Road, Calcutta-700006, W. B., India. "Anti pollution mask". October 11, 1993.
- Class 3. No. 166382. Rama Krishna Moulders, 5211-Kolhapur House, Kolhapur Road, Delhi-110007, India, Indian Proprietary Firm. "Vaccum Flask". Oct. 18, 1993.

Class 3. No. 165635. Achal Anil Bakeri, Indian of 13, Sadma Society, Navrangpura, Ahmedabad-380009, Gujarat, India. "Geyser". May 12, 1993.

Class 3. No. 166079. Ajay Home Products (P) Ltd. of C-114, Naraina Industrial Area, Phase-I, New Delhi-110028, India. "Tooth brush". August 24, 1993.

Class 3. 165998. Shell International Petroleum Co. Ltd., British Company of Shell Centre, London SE1 7NA, England. "Container". Priority dt. February 17, 1993 (UK).

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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1994

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD,
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1994